

Marked-up version of the claims as amended.

1. A roll for dewatering a web in a paper or board machine comprising axle journals [(13A,13B)] supported by which the roll is arranged to revolve, end flanges [(12A, 12B)] to which the axle journals [(13A, 13B)] are connected, a mantle [(11) which is] having an outer surface, the mantle being connected to the end flanges [(12A, 12B)] and [into which mantle (11)] a number of openings extending through the mantle [(11)] [and/or] or recesses [(15)] formed into the outer surface of the mantle [have been made], which openings [and/or] or recesses form a regular pattern, [characterized in that] and solid connecting portions in the outer surface of the mantle [(11)] around said openings, which are preferably holes, [and/or] or around said recesses, which are preferably blind-drilled bores [(15)], are opened so that, from each opening [and/or] or recess or from their countersink [(15)], there is a connection, provided in the form of a groove or an additional recess [(16,17,40,41,30,50)] extending into the outer surface of the roll mantle [(11)], with at least each of the openings [and/or] or recesses or their countersinks [(15) closest] adjacent to it.

2. A roll as claimed in claim 1, [characterized in that] wherein a double grooving [(16,17)] is formed into the outer surface of the roll mantle [(11)] such that the first grooving [(16)] connects a row of holes [and/or] or blind-drilled bores or their countersinks [(15)] in a first direction [(S1)] and the second grooving [(17)] connects a row of holes [and/or] or blind drilled bores or their countersinks [(15)] in a second direction [(S2)] which crosses the first direction [(S1)], whereby separate support points [(18)] supporting [the] a wire running on the roll mantle

and situated between the holes [and/or] or blind-drilled bores or their countersinks [(15)] are formed into the outer surface of the roll mantle [(11)].

3. A roll as claimed in claim 1, [characterized in that] wherein a double grooving [(40,41)] is formed into the outer surface of the roll mantle [(11)] such that the first grooving [(40)] is made in a first direction [(S1)] between a row formed of holes [and/or] or blind-drilled bores or their countersinks [(15)] and the second grooving [(41)] is made in a second direction [(S2)] between a row formed of holes [and/or] or blind-drilled bores or their countersinks [(15)], which second direction [(S2)] crosses the first direction [(S1)] the holes or blind-drilled bores or countersinks having an edge, whereby separate support points [(42)] supporting [the] a wire running on the roll mantle and situated at the edges of the holes [and/or] or blind-drilled bores or their countersinks [(15)] are formed into the outer surface of the roll mantle [(11)].

4. A roll as claimed in claim 1, [characterized in that] wherein circular grooves [(30)] are formed into the outer surface of the roll mantle [(11)] around the holes [and/or] or blind-drilled bores or their countersinks [(15)] said circular grooves having a center radius of their circumference.

5. A roll as claimed in claim 4, [characterized in that] wherein the [centres] centers of the circular grooves [(30)] coincide with the [centres] centers of the holes [and/or] or blind-drilled bores [(15)] and the [centre] center radii of the circumference of the grooves [(30)] are equal to the distance between the [centres] centers of the holes [and/or] or blind-drilled bores

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[(15)] so that the grooves [(30)] form channels that connect the holes [and/or] or the blind-drilled bores [(15)].

6. A roll as claimed in claim 1, [characterized in that] wherein additional blind-drilled bores [(50)] are made into the outer surface of the roll mantle [(11)] between the holes [and/or] or blind-drilled bores or their countersinks [(15)] such that the additional blind-drilled bores [(50)] have a connection to each of the holes [and/or] or blind-drilled bores or their countersinks [(15)] closest to it.

7. A roll for dewatering a web in a paper or board machine comprising:
a roll mantle having an outer surface;
a plurality of bores extending through said roll mantle, each of said bores being spaced
from an adjacent one of said bores to define a space there between; and
a plurality of recesses formed in the outer surface of said roll mantle for connecting each
bore with at least another one bore adjacent to said bore to thereby permit a flow to travel
between said bores
[means for interconnecting selected ones of said plurality of bores for permitting a flow to travel between said selected bores].

9. The roll according to claim [8] 7, wherein said plurality of [linear] recesses comprises [at] a first groove for interconnecting a first group of selected bores of said plurality of bores and a second groove for interconnecting a second group of selected bores of said plurality of bores.

11. The roll according to claim 9, further comprising a plurality of support points for [support] supporting a wire, said support points being arranged between adjacent ones of said plurality of bores.

14. The roll according to claim 7, wherein said recesses [means] for [interconnecting selected ones of said plurality of bores] connecting each bore with at least another one bore adjacent to said bore comprises a plurality of circular grooves arranged in said outer surface, each one of said circular grooves being arranged to encircle a respective one of said plurality of bores and wherein a circular groove encircling one bore is arranged to extend over each adjacent bore.

REMARKS

In response to the Office Action dated July 18, 2001 an amendment was filed on October 18, 2001. In the amendment filed on October 18, 2001 claims 1-7, 9, 11 and 14 were amended. A clean set of claims and a marked-up version of the claims was submitted with the amendment. However due to clerical errors the marked-up version of the claims submitted with the amendment was not identical to the unmarked version of the claims as amended. Accordingly included herewith is a corrected clean version of the claims and a revised marked-up version of the claims. Also submitted herewith is an additional independent 15 claim for the Examiner's consideration.

New independent claim 15 is identical to claim 1 as originally filed but in lieu of the "and/or" language included in original claim 1 new claim 15 has replaced said "and/or" language simply with "and". It is respectfully requested that new claim 15 be considered by the Examiner.

If any changes to the specification and/or claims are deemed necessary to place the application in condition for allowance, the Examiner is respectfully requested to contact the undersigned to discuss the same.



If any fee is required for entry of this amendment the Commissioner is hereby authorized to charge any requisite fee to Deposit Account No. 50-0518 in the name of Steinberg & Raskin, P.C.

Respectfully submitted,

STEINBERG & RASKIN, P.C.



Paul J. Higgins
Reg. No. 44,152

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STEINBERG & RASKIN, P.C.
1140 Avenue of the Americas
New York, N.Y. 10036
(212) 768-3800

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